

S1 Table Comparison of 95 and 99 cumulative percentiles of annual sea surface temperatures (°C, 1 m depth) on Cashes Ledge and in the Coastal Zone (Western Maine Shelf). Data are from buoy 44005 on Cashes Ledge (43 ° 12'3" N, 69 ° 7'42" W) and from Western Maine Shelf buoy station 44030 (43 ° 10'51" N, 70 ° 25'40" W). No data were available from the Western Maine Shelf buoy in 1987.

| Site | Year | 95 th | 99 th |
|---------------------|------|------------------|------------------|
| Cashes Ledge | 1987 | 17.900 | 19.000 |
| Cashes Ledge | 2012 | 21.800 | 22.500 |
| Cashes Ledge | 2014 | 20.000 | 21.400 |
| Cashes Ledge | 2015 | 16.700 | 17.900 |
| Cashes Ledge | 2016 | 21.400 | 22.300 |
| Western Maine Shelf | 2012 | 20.536 | 21.512 |
| Western Maine Shelf | 2014 | 18.640 | 20.270 |
| Western Maine Shelf | 2015 | 19.640 | 20.670 |
| Western Maine Shelf | 2016 | 19.670 | 20.760 |